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UM:实用新型; +UM:专利和实用新型; PP:小专利

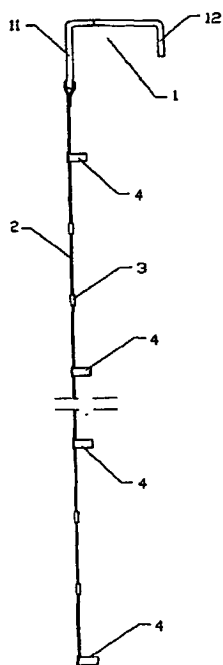
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— 包括国际检索报告。

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(54) Title: FLEXIBLE LADDER WITH SUPPORTING ACCESSORY

(54) 发明名称: 带支撑附件的软梯



(57) Abstract: This utility model discloses a flexible ladder with supporting accessory. The ladder includes a ladder hook (1) attached to the fixing building, a ladder body composed of left and right ladder bands (2) and fixedly connected to the ladder hook (1), some treads (3) which have aluminium alloy bar in their endothecium and stride joining the left band with the right band of the ladder, some supporting accessories (4) which distribute symmetrically at the connections between the rear of the ladder bands (2) and the treads (3). Said supporting accessories (4) are loose-leaf structure having torsion spring, said torsion spring energizes the supporting accessories (4) opening outward automatically to maintain their internal angle to the treads (3) larger than 90°deg; slightly. The treads (3) hold the ladder a proper distance from the building wall and the flexible ladder provides for easier and steadier foot placement of the person descending the ladder.

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(57) 摘要

本实用新型公开了一种带支撑附件的软梯，包括用以附着在固定建筑物的梯钩（1）、与梯钩（1）固定连接的由左右两条梯带（2）组成的软梯梯身以及跨接在左右两条梯带（2）之间的、多节内层含有铝合金条的踏脚梯档（3），还包括对称分布在两梯带（2）背面与踏脚梯档（3）连接处的支撑附件（4）。所述支撑附件（4）为带扭簧的活页式结构，该扭簧的扭力令支撑附件（4）自动向外张开直至其与踏脚梯档（3）的内夹角略大于 90°。本软梯使用时踏脚梯档（3）与建筑墙面能保持适当距离，使用者踏脚方便且稳固。